



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
COLUMBIA ENVIRONMENTAL FIELD OFFICE

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October 31, 2012

Mr. William E. Wendle
Chief, Civil Engineering Branch
Arnold AFB
100 Kindel Drive, Suite B312
Arnold AFB, TN 37389

RE: Compliance Evaluation Inspection
Arnold Village Wastewater System
State Operating Permit SOP-06006
Arnold AFB, Franklin County, Tennessee

Dear Mr. Wendle:

On October 15, 2012 Division personnel conducted a Compliance Evaluation Inspection (CEI) of the Arnold Village Wastewater System at the Arnold Engineering Development Center. A CEI is conducted to determine compliance with the requirements of the permit and to review the operation and maintenance of the treatment system. The following observations were made during the inspection:

1. State Operating Permit No.SOP-06006 became effective on June 1, 2012 and shall expire on April 30, 2017.
2. The quarterly monitoring reports submitted to this office since the previous inspection were reviewed. The review indicated that the monitoring results reported were in compliance with the permit limits. Monthly flow is recorded and submitted on the quarterly reports. Analytical testing of the permit parameters is conducted at the AEDC lab.
3. The treatment system consists of septic tanks, effluent collection system, recirculating sand filter and drip irrigation system. A log book is maintained at the control building for any repairs or scheduled maintenance performed on the treatment system. A herbicide can be applied on the weeds around the inside perimeter fence area and spot application for any weeds growing on the surface of the treatment filter media. There were no weeds growing on the surface of the treatment filter on the day of the inspection. The treatment system is enclosed with a perimeter fence and a locked gate.
4. The collection system consists of one lift station that is equipped with an alarm. There has been one overflow reported to this office from the collection system since the previous inspection. Electrical contacts that power the lift station were damaged during a thunderstorm. The pump was repaired and placed back into service. Lime and calcium hypochlorite was applied to the affected area.

5. The drip disposal field is enclosed with a perimeter fence, locked gate and is posted with the sign requirements of the permit. There are fourteen zones within the disposal field to accept the wastewater from the treatment system. There was no ponding of wastewater observed on the disposal field. The disposal field is well maintained.

This concludes our observations. I would like to thank Mr. Hill, Mr. Myers, Mr. Holt and Mr. Carnley for their time and cooperation during the inspection. If you have any questions you may reach me gary.horne@tn.gov or at 1-931-840-4166.

Sincerely,



Gary Horne
Division of Water Resources